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ABSTRACT

Described are energy-related bibliographies, curriculum materials, audiovisual products, funding sources, periodicals, and organizations. Intended for persons seeking information for themselves, for classroom use, or for community education projects, this resource guide contains several hundred listings. Each entry includes price and grade level, if known, as well as the office or publisher's address. Among the materials described in the curriculum section are games, posters, learning activities, teacher's guides, and informational publications. (WB)

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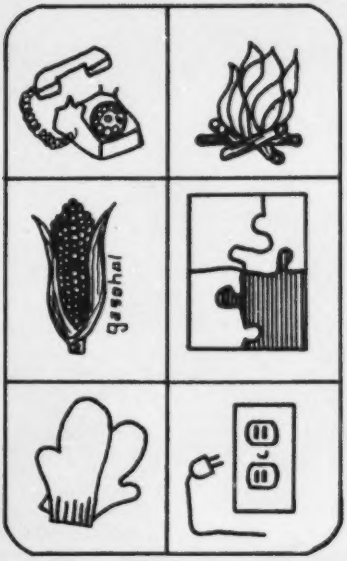

ENERGY MATERIALS FOR HOME & SCHOOL

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Energy Materials
For Home And School

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THE MASSACHUSETTS DISSEMINATION PROJECT

31 St. James Avenue
Room 614
Boston, MA 02116
Tel. (617) 727-5761

Cecilia M. DiBella, Director
Mitzie Kocsis, Publication Coordinator/Graphic Design
Gaile Chardo, Cover Design

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FOCUS ON: is a series of brief publications developed by the Massachusetts Dissemination Project. Like our RESOURCES FOR SCHOOLS booklets FOCUS ON: presents timely information and resources directed toward a critical educational issue confronting Massachusetts educators. The compact size and limited number of copies printed allow the project to be more responsive and sensitive to the rapidly changing information needs of particular readers.

Please share this issue with colleagues in your school, organization, or department. Additional copies may be obtained free, while supplies last, from the Massachusetts Dissemination Project, or your local regional education center listed on the back cover. The project welcomes your comments about this booklet and your suggestions for future issues.

Other publications in this series:

- Focus On: Energy Conservation Practices in Schools – out of stock
- Focus On: Classroom Energy Materials

Readers should feel free to reproduce this book in part, or in its entirety, giving suitable credit. Please note that mention does not necessarily reflect endorsement by the Massachusetts Dissemination Project or the Department of Education.

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INTRODUCTION

> En-er-gy n., Vigor or power in action.
> The capacity for action or accomplishment.

Rapid depletion of known energy sources has caused concern to a world population which has come to expect such things as ready transportation, heat, cooked foods, hot water, and ice cubes. Corporations explore land and sea in search of undiscovered fuel deposits. Researchers seek to tap new sources or refine those presently known for consumption. Community groups rally citizens to support safe, renewable energy systems within their cities and towns.

The discussions seem endless. Yet, at the foundation of our energy future lies education. We must educate ourselves to reduce personal consumption; to ways in which new technologies can help meet our needs; and to the effect new energy systems have on our lives and our environment.

This listing of energy materials is offered to help in this education process. Readers seeking general information for themselves, or their classes, should find items of interest among the many films, newletters, games, hotlines, and resource organizations mentioned in this booklet.

Descriptions and prices quoted are based on information available at the time of writing — availability and cost may have since changed.

The Dissemination Project thanks the many individuals and organizations who cooperated in this effort. In particular, we thank the Bonneville Power Administration and the Idaho Office of Energy in Boise, Idaho, and Scott Hillman of the Energy Resource Group at the Northeast Regional Center of the Department of Education for sharing their collections of energy materials with us.

Mitzie Kocsis
August 1980

BIBLIOGRAPHIES AND RESOURCE GUIDES

These bibliographies and resource guides can help you select materials for your class or project from the wide selection of energy education/information available.

* * * * *

- American Association for the Advancement of Science
  1515 Massachusetts Avenue, NW
  Washington, DC 20005

A.A.A.S. SCIENCE BOOKS AND FILMS: Quarterly, $17.50

- Citizens' Energy Project
  1413 K Street, NW, 8th Floor
  Washington, DC 20005

A BIBLIOGRAPHY OF ENERGY MATERIALS: These materials, grades K-12, relate specifically to the concepts of energy usage and are suitable for use as background material for teachers or for projects. FREE

- Educational Resources Information Center (ERIC)
  Document Reproduction Service
  P.O. Box 190
  Arlington, VA 22210

ENERGY EDUCATION MATERIALS BIBLIOGRAPHY: Prepared by the Minnesota Energy Agency, this is an annotated listing of background materials and classroom activities. Books from educational publishers, school districts, and state and federal agencies are indexed by grade level.
Order ED 162900. $4.82/paper copy

ENERGY EDUCATION RESOURCE GUIDE: Ninety-one curriculum units are listed in this annotated bibliography. Developed by the Maryland State Department of Education, the guide is indexed by subject and grade level, and includes ordering information. Order ED 179421. $4.55/paper copy

- Electric Power Research Institute
  Records and Reports Center
  P.O. Box 10412
  Palo Alto, CA 94303

ENERGY PUBLICATIONS LIST

- Energy and Man's Environment
  7874 SW Nimbus
  Beaverton, OR 97005

ENERGY EDUCATION BIBLIOGRAPHY

ENERGY EDUCATION INSTRUCTIONAL MATERIALS SAMPLES (1980)

- Friends of the Earth Foundation
  124 Spear Street
  San Francisco, CA 94105

THE ENERGY AND ENVIRONMENT BIBLIOGRAPHY: Books, periodicals, organizations and government agencies concerned with energy are described in this listing. It includes categories for energy education, conservation, nuclear power, solar energy, appropriate technology and citizen action. $3.50

- Interstate Printers and Publishers
  19-27 North Jackson Street
  Danville, IL 61832

ENVIRONMENTAL CONSERVATION EDUCATION: A SELECTED ANNOTATED BIBLIOGRAPHY: Compiled by the Conservation Education Association, this bibliography spotlights materials for grades K-12. Yearly supplements are published. $2.50

- Lee County Schools
  Environmental Education
  2055 Central Avenue
  Fort Myers, FL 33901

ENVIRONMENTAL EDUCATION: GUIDES/BOOKLETS: Energy-environmental education materials, some in Spanish and French, are listed in this catalogue. FREE

- National Center for Appropriate Technology
  P.O. Box 3838
  Butte, MT 59701

ALCOHOL FUELS — AN ANNOTATED BIBLIOGRAPHY: Mentioned in this collection are practical handbooks, general interest materials (including an 800-item bibliography of papers written by experts on all sides of the alcohol fuels issue), periodicals, and a list of non-profit organizations with ongoing alcohol fuel programs which offer technical assistance. Single copies FREE

- National Technical Information Service
  United States Department of Commerce
  5825 Port Royal Road
  Springfield, VA 22161

ENERGY EDUCATION MATERIALS INVENTORY: This annotated bibliography lists currently available materials, K-12, published prior to May 1976. It includes books, audiovisual instructional materials and activities. Entries are indexed by item, grade level and subject. Refer to these numbers when ordering: Volume 1 (May 1978) Stock #061-000-00183-2, $11.75 printed, $3.00 microfiche. Volume 2 (August 1979) Stock #061-000-00341-0, $14.50 printed, $3.00 microfiche

- New York State Alliance to Save Energy
  36 West 44th Street
  New York, NY 10036

ENERGY DIRECTORY AND BIBLIOGRAPHY: This listing serves as a guide to books, magazines, and pamphlets on alternative energy sources and energy-conscious lifestyles. $2.50

- Scarecrow Press, Inc.
  52 Liberty Street
  P.O. Box 656
  Metuchen, NJ 08840

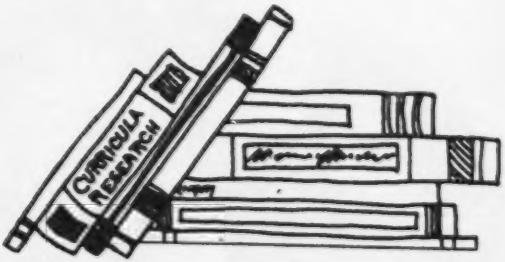
CONSERVATION/ECOLOGY: RESOURCES FOR ENVIRONMENTAL EDUCATION: This is a practical reference to a wide range of conservation-sociological teaching materials and ideas for grades K-12. It contains books, periodicals, agencies, glossary of terms, and a chronology of environmental legislation. $12.00

- Trojan Visitors Information
  Route 2, Box 537
  Rainier, OR 97048
  Tel. (503) 556-4741

TROJAN VISITORS INFORMATION CENTER ENERGY RESOURCES: The center maintains lists of films, publications, field trips, activities, speakers and workshops available to teachers.

- United States Government Printing Office
  Superintendent of Documents
  Washington, DC 20402

RESOURCE FILE PRACTICAL PUBLICATIONS FOR ENERGY MANAGEMENT: This is a reference guide to handbooks, curricula and audiovisual materials that deal basically with energy conservation. While many of the materials cited deal with energy-saving procedures for commercial and government installations, a large number would be suitable for classroom use. $3.50



- United States Office of Education
  Energy and Education Action Center
  Reporters Building, Room 514
  300 7th Street, NW
  Washington, DC 20202

SELECTED GUIDE TO FEDERAL ENERGY AND EDUCATION ASSISTANCE: The energy education activities of a dozen federal agencies are charted in this guide. Types of assistance listed include: curriculum/ materials development, direct student assistance, teacher training, facilities improvement, public outreach, research and data collection, and assistance to local and state governments for innovative projects.

- University of Kansas Independent Study
  Continuing Education Building
  645 New Hampshire
  Lawrence, KS 66044

ENERGY RESOURCES: A SELECT ANNOTATED BIBLIOGRAPHY: This bibliography provides several hundred citations on energy resources from magazine and newspaper articles, books, and government documents with brief annotations. It includes several areas related to energy: the history of the energy situation, natural resources, alternative energy sources, governmental action, energy consumers, and others interested in energy.

- Windworks
  Box 329, Route 3
  Mukwonago, WI 53149

WIND ENERGY BIBLIOGRAPHY

CURRICULUM GUIDES AND MATERIALS

This section describes curriculum products, posters, games and activities for use in school or community energy education programs. When available, prices and suggested grade levels are quoted. In cases where they are not specified, readers should contact the distributor for this information. Please note that prices may have changed since we began this booklet.

* * * * *

- Addison-Wesley Publishing Company
  Sand Hill Road
  Menlo Park, CA 94025

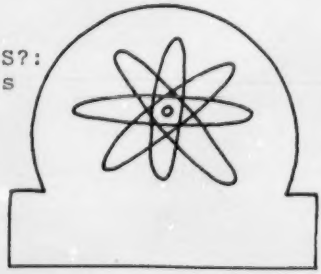
SCIENCE ON A SHOESTRING: This resource book contains high-quality, low-cost science activities. It outlines fifty experiences in three areas: scientific method; change; and energy, fields, and forces which can be implemented with grades K-7. $6.40

- American Gas Association
  1515 Wilson Boulevard
  Arlington, VA 22209

EXPERIMENTS: PROPERTIES OF GAS AND HEAT ENERGY: Suggested for grades 8-12, this is a series of seventeen experiments dealing with the properties of gas and fourteen experiments on heat. The experiments come on spirit duplicating masters. $3.25

- American Museum of Atomic Energy
  P.O. Box 117
  Oak Ridge, TN 37380

CAN YOU SOLVE THE ENERGY CRISIS?: A kit of twelve decision points for table top display.



- Associates for Community Resources
  1 Farm Lane
  Sudbury, MA 01776

END GAME – ENERGY DECISIONS GAME: Players, grades 10-12, are cast in the roles of public officials faced with the choice of several energy conservation options.

- Charles Edison Fund
  101 South Harrison Street
  East Orange, NJ 07018
  Attn: David O. Shantz, Curator

ELECTRICITY TEACHER'S AID KIT: A set of eight booklets entitled:

Edison Experiments
Edison - Inspiration to Youth
Edison Inventions and Related Projects
Electrical and Chemical Experiments
Electrical Experiments You Can Do
Energy Conservation Experiments You Can Do
Environmental Experiments
How to Build Five Useful Electrical Experiments

- Chelmsford Public Schools
  Curriculum Center
  31 Princeton Street
  North Chelmsford, MA 01863

TECHNOLOGY AND THE U.S.: A teacher's guide to help students in grades 4-6 analyze the impact of technology on life in different regions of the nation. Valuing activities, simulations, and suggestions for research are included. $3.00

- Chevron U.S.A., Inc.
  Chevron Instructional Units
  595 Market Street
  San Francisco, CA 94105

ENERGY LEARNING CENTER: This package contains eighteen fact sheets: six in "Energy, Its History and Technology", six in "Energy Sources", and six in "Energy and the World Around Us". A time line chart covering a period of 500 years, a poster showing an energy efficient town, six spirit duplicating masters, and a teacher's guide are also included.

- Conservation Consultants
  417 Thorne Street
  Sewickley, PA 15143

ARAB OIL POLICIES: This game involves players in grades 10-12 in the political issues that affect the production and sale of Middle Eastern oil. $1.00

BRITE LITE POWER COMPANY VS. PEOPLE AND THEIR ENVIRONMENT: This is a simulation of a trial debating the use of coal and nuclear energy to generate electricity. It includes transparency masters and is suggested for grades 7-12. $1.00

DRESSING FOR ENERGY CONSERVATION: This activity guide for youngsters in grades K-3 stresses dressing for the weather and climate and using less energy for heating and cooling. $1.00

ENERGY PUPPETS: Puppets and cartoon strips demonstrate energy conservation to grades K-3. $1.00

FOLLOW THE 3 R'S: Recycling is the focus of this curriculum activity geared to grades 7-9. $1.00

MY HOME: SAVING OR WASTEFUL: This curriculum activity teaches students in grades 4-9 how to save energy at home. $1.00

- Culver Publications, Inc.
  250 West 57th Street
  New York, NY 10019

Posters for classroom teachers:

CONVENTIONAL ENERGY RESOURCES AND DEVELOPING TECHNOLOGIES: Various sources of energy: solar/ photovoltaic, municipal waste, petroleum, and ocean are depicted in this wall poster.

HYDROPOWER... NOW OUR LAST RENEWABLE ENERGY SOURCE: Methods of producing and storing electric power are portrayed for students.

UNDERSTANDING ENERGY: Magnets, gears, pistons, and microwaves are visually defined in this color poster.

- Edison Electric Institute
  Educational Services
  90 Park Avenue
  New York, NY 10016

ELECTRICAL SAFETY IN AND AROUND THE HOME: A multimedia kit for grades 5-7 that contains two filmstrips, two cassettes, five activity sheets, a game poster, sixty stickers, and a teacher's guide. $25.00

THE ENERGY-ENVIRONMENT GAME: Through this multimedia instructional simulation, students in grades 7-12 consider society's demand for energy, its potential impact on the environment, and possible trade-offs. $30.00

ENERGY - NOW AND IN THE FUTURE: Grades 6-9 explore alternate energy sources and their chances of significantly supplying our energy needs. The kit includes six filmstrips and cassettes, twelve activity sheets, and one teacher guide. $30.00

ENERGY - WHY WE MUST CONSERVE IT NOW: Single copies FREE

FOOD AND ENERGY: The relationship of energy supply and food production and related topics are examined in this multimedia kit. Recommended for grades 4-6, this program includes two filmstrips and cassettes, six activity sheets, a wall poster and teacher guide. $20.00

KEEPING THE LIGHTS ON: This activity centered program teaches grades 5-9 about coal and other energy sources. The kit comes with six activity duplicating sheets and a teacher guide. $3.50

OUR ENERGY-BASED ECONOMY: The basic principles of economics and the relationship of energy supply to the free market system are explained to grades 5-8. This multimedia kit contains four filmstrips and records, a teacher's guide and activity sheets. $30.00

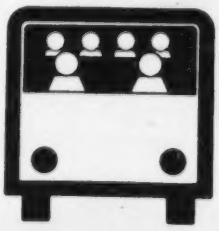
USE ENERGY WISELY - OUR SPACESHIP EARTH NEEDS MORE FUEL: Single copies FREE

- Educational Research Council of America
  Rockefeller Building
  Cleveland, OH 44113

WHAT'S THE MATTER WITH ENERGY? ENERGY SOURCES: This set of eleven activities for grades 10-12 explores the interactions of different energy sources in the energy crisis. Teacher guide, $2.05; student guide, $1.84

- Educational Teaching Aids
  159 West Kinzie Street
  Chicago, IL 60610

ENERGY GAMES: A set of games for teaching energy concepts and encouraging conservation among students in grades 1-6. $23.00



- Energy and Man's Environment
  0224 SW Hamilton, Suite 301
  Portland, OR 97201
  Tel. (503) 226-7131

ADVENTURES OF MINIVOLTS AND WASTEY WATTS: This is a complete energy and conservation study kit for a seven-week program for thirty students, grades K-3. It includes lesson plans, story coloring books, a flannel board, dolls, buttons and certificates.

CLASSROOM ENERGY CALENDAR: In addition to helping you keep track of days of the week, this calendar contains learning activities, quotations, project suggestions, notes about significant dates and hundreds of energy and conservation facts. $4.00

CONSERVATION OF ENERGY: An interdisciplinary teacher's guide to energy and environmental activities, it serves as a resource bank of ideas. Categorized by grade level K-12, these ideas may be developed further or tailored to individual teaching styles or classroom situations.

ENERGY AND CONSERVATION EDUCATION GLOSSARY: A list of many energy and conservation terms which have recently assumed new importance for us. $4.00

ENERGY AND MAN'S ENVIRONMENT ACTIVITY GUIDE: This interdisciplinary teacher's guide to energy and environmental activities is presented in seven parts: Energy Activity Guide, Sources of Energy, Uses of Energy, Conversion of Energy, Impacts of Energy, Limits of Energy, and Future Sources of Energy.

ENERGY AND MAN'S ENVIRONMENT PROGRAM PLANNER

ENERGY CONSERVATION CORPS: This kit is a community focused conservation project that includes learning basic energy and conservation concepts and distributing energy saver's guides in the community. It comes with a teacher's guide, lesson plans, and student materials.

THE ENERGY EDUCATION BIBLIOGRAPHY: Current key resources for energy and conservation education are annotated in this bibliography. It features materials other than films which are available either free upon request or at low cost. $4.00

EYE CHART ENERGY POSTER: An 11 X 17 inch eye chart carries an energy conservation message on one side with energy management information for school administrators and teachers on the reverse side.

WATER FOR ENERGY: This activity guide focuses on the importance of water in modern societies, water management and its importance to the American economy, and the consumption of energy in water management.

- The Energy Challenge
  Box 14306
  Dayton, OH 45414

THE ENERGY CHALLENGE: Energy history, the present energy picture, and hope for future energy alternatives are the focus of this interdisciplinary unit. It contains twenty-four pages of spirit duplicating master activity sheets for grades 5-8 and teacher guides. Single copies FREE

- Environmental Action Coalition
  156 Fifth Avenue, Suite 1130
  New York, NY 10010

LESS POWER TO THE PEOPLE: ENVIRONMENTAL ENERGY USE: This unit addresses what energy is — why and how we must conserve it — and highlights new energy sources. The twenty-nine activities and select issues of "Eco-News" found in the curriculum, provide grades 4-6 with information that is non-technical and project-oriented. $6.50

- Environmental Education Project
  ESEA Title III
  Section 306 Topeka Public and
  Parochial Schools
  1601 Van Buren
  Topeka, KS 66612

ENERGY: Instructional objectives are listed along with activities that meet the stated objectives. Teachers select only those appropriate for their students.

- ERIC/SMEAC
  1200 Chambers Road
  Columbus, OH 43212

CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS (Volumes I and II): Volume I contains 225 teaching activities for the study of land use, natural resource allocation and depletion, and energy use and conservation; in the fields of fine arts, language arts, science, social studies, and vocational arts. Volume II includes annotations for 5,549 titles that support studies in energy and environment education at the junior and senior high school level. FREE

LIVING WITHIN OUR MEANS: ENERGY AND SCARCITY: This provides background material for a unit in energy conservation, with suggestions for teaching and special activities for grades K-12. FREE

- Federal Energy Administration
  Office of Communications and Public Affairs
  Washington, DC 20461

ENERGY ACTIVITIES WITH ENERGY ANT: This coloring book character was created to tell children about energy, and how to use it wisely. It includes activities such as card games, mazes and cut-outs. English and Spanish versions are available.

- Ford Foundation
  320 East 43rd Street
  New York, NY 10017

EXPLORING ENERGY CHOICES: This overview of the energy crisis considers alternative policies and their environmental impact. The content is suitable for grades 8-12. 75¢

- Garden Club of America
  Conservation Committee
  598 Madison Avenue
  New York, NY 10022

WORLD AROUND YOU – ENVIRONMENTAL EDUCATION PACKET: Designed to help teachers educate students, grades 6-9, in the management of our natural resources, this packet stresses individual projects and group activities on solar energy, urban ecology, and planting to improve the environment. First copy FREE, additional copies $1.50

- Hayes School Publishing Company, Inc.
  321 Pennwood Avenue
  Williamsburg, PA 15221

ENERGY PUZZLES: CROSSWORD PUZZLES FOR SCIENCE (1975): The eighteen duplicating masters included in this unit provide information on fossil fuels, electricity, nuclear, solar and other energy sources. These activities are recommended for grades 4-6. $2.50

- Highline Public Schools
  P.O. Box 66100
  Seattle, WA 98166

ENERGY FUTURES (1978): For science classes, grades 7-9

- Ideal School Supply Company
  11000 South Lavergne Avenue
  Oak Lawn, IL 60453

ENERGY X: This classroom simulation, which includes role playing, deals with a finite energy source. Activities are suitable for use with grades 5-12. $19.50

- Imperial International Learning
  P.O. Box 548
  Kankakee, IL 60901

ENERGY: This game teaches some basic energy concepts of production, consumption, and conservation to grades 4-6. $7.95

- Information, Inc.
  New York, NY 10001

ENERGY CRISIS GAME: For two to six players at the upper elementary and junior high level.

- Iowa Department of Public Instruction
  Grimes State Office Building
  Des Moines, IA 50319
  Attn: Duane Toomsen

ENERGY CONSERVATION ACTIVITY PACKETS: These three ring notebooks (for grades K-2, 3, 4, 5 and 6) of multidisciplinary activities encourage conservation. The packets contain annotated student and teacher bibliographies, worksheets, and visuals. Entire set $10.00; individual units, $2.00.

- Kansas Vocational Curriculum Center
  Pittsburg State University
  P.O. Box 60
  Room 115, Willard Hall
  Pittsburg, KS 66762

CONSUMER USE OF ENERGY: A twenty-unit curriculum guide explains the use and conservation of energy, alternate energy systems, and the political aspects of energy consumption. $15.00

- League of Women Voters of Montana
  5555 Black Bear Road
  Bozeman, MT 59715
  Attn: Jenny Younger

SUN PRINCESS, INSULATOR MAN, AND THE ENERGY MONSTER: Jenny Younger developed these puppets to help teach conservation concepts to elementary students. The popular seven-puppet troupe, now in use in twenty-seven states, comes as a ready-to-sew kit ($35) or assembled ($65.) Both versions come with a teacher's guide, cassette tape, coloring book, buttons and poster. A videotape of the puppet show ($85) and a "production size" 8-puppet set with stage and curtain are also available. (Inquire about the price.) Orders should be prepaid.

- Lorien House
  P.O. Box 1112
  Black Mountain, NC 28711

PRACTICAL SUN POWER: This book offers five simple solar energy projects including a spherical reflector, a solar oven, and a window air heater. These projects are suggested for grades 7-12. $4.00

- Manitoba Department of Renewable Resources
  and Transportation Services
  Box 22
  1495 St. James Street
  Winnipeg, Manitoba R3H OW9
  Canada

EKOSI-SPHERE: This twenty-sided sphere depicts conservation messages on each facet. Three copies per request are FREE.

- National Assessment of Educational Progress
  Publications Department
  1860 Lincoln Street, Room 700
  Denver, CO 80295

ENERGY - KNOWLEDGE AND ATTITUDES: A summary of the findings of a survey conducted to discover young adults' knowledge of energy facts and issues. Single copies are FREE, additional copies are 10¢

- National Association of Recycling Industries, Inc.
  330 Madison Avenue
  New York, NY 10017

RECYCLING PAPER PRODUCTS

RECYCLING: A GUIDE TO EFFECTIVE SOLID WASTE UTILIZATION

- National Association of Secondary School Principals
  1904 Association Drive
  Reston, VA 22091

RESOURCE RECOVERY KIT: This interdisciplinary kit teaches grades 7-12 about reclaiming resources, especially solid waste, on a large scale. It can be used in science, social studies, or industrial arts classes and includes charts, student manuals, teacher's guides, and a section on environmental careers. $12.00

- National Center for Appropriate Technology
  P.O. Box 3838
  Butte, MT 59701

A CURRICULUM IN APPROPRIATE TECHNOLOGY: Ten lessons for grades 5-6 discuss energy production and use, food and nutrition, renewable resources, conservation and recycling. The curriculum contains quizzes, a full-color poster, illustrated handouts, a resource list, and step-by-step instructions for making simple, inexpensive solar models and other learning aids. $5.00. Sample FREE

- National Center for Resource Recovery, Inc.
  1211 Connecticut Avenue, NW
  Washington, DC 20036

RESOURCE RECOVERY AND YOU-EDUCATION PROGRAM: $9.00

- National Education Association
  Academic Building
  Saw Mill Road
  West Haven, CT 06516

ENERGY AND EDUCATION: TEACHING ALTERNATIVES(1978): This multidisciplinary resource for grades K-12 contains sections on a broad range of basic energy related questions including nuclear and solar power, solid waste, aerosol, the relationship between leisure and energy, and energy consumption. Two complete mini-units and a list of selected materials are also included. $5.95

- National Recreation and Park Association
  1601 North Kent Street
  Arlington, VA 22209

ENERGY MANUAL FOR PARKS: A curriculum guide using parks for conservation education programs. $3.00

- National Science Teachers Association
  1741 Connecticut Avenue, NW
  Washington, DC 20009

ENERGY-ENVIRONMENT SOURCEBOOK: Written for teachers in an informal style, this book includes quantitative information, tables, illustrations, technical appendices and a glossary. It is suitable for use with grades K-12. $5.00

- New England Coastal Power Show
  40 Kinnaird Street
  Cambridge, MA 02139

NEW ENGLAND COASTAL POWER SHOW: Sponsored by the Clamshell Alliance, this traveling exhibit of safe energy alternatives travels throughout New England to high schools, colleges, outdoor fairs and markets to increase the public's awareness of the choices to be made in New England's energy policies.

- New York City Council on the Environment
  51 Chambers Street
  New York, NY 10007

OUR ENVIRONMENT: A COLLECTION OF LESSONS: $1.50

- Pennsylvania Department of Education
  Bureau of Curriculum Services
  333 Market Street
  Harrisburg, PA 17126

ENERGY: PENNSYLVANIA'S ENERGY CURRICULUM FOR THE MIDDLE GRADES: Six multidisciplinary teaching models highlight conservation as they discuss the energy problem. A curriculum for grades 9-12 is expected to be available soon. Write for prices.

- Project KARE
  McGinnis Office Building
  Route 73 and Butler Pike
  Blue Bell, PA 19422

CURRICULUM ACTIVITIES GUIDE TO ELECTRICAL POWER GENERATION AND THE ENVIRONMENT: These activities, written by teachers, deal with energy and the consumer, energy and water pollution, and energy and air pollution. Some activities are appropriate for elementary students, others for secondary students. $5.50

- The Reading Laboratory, Inc.
  P.O. Box 681
  55 East Day Street
  South Norwalk, CT 06854

ENERGY AND ECOLOGY: A NEWSBOOK: A reading and activity booklet for grades 5-10 that explores the history, ramifications and possible solutions to the energy and ecological dilemma.

- Rodale Press
  33 East Minor Street
  Emmaus, PA 18049

SOLAR ENERGY EXPERIMENTS: This book is a compilation of experiments designed to acquaint the student with solar energy measurement, collection, and use. Eighteen experiments and eight activities are directly applicable to current physics, general science, and environmental science curricula at the high school level. $5.95

TEACHING SCIENCE WITH GARBAGE: $4.95

- Sears, Roebuck and Company
  Consumer Information Services, D/703
  Sears Tower
  Chicago, IL 60684

EDUCATOR'S GUIDE TO THE THREE E'S: ENERGY/ECOLOGY/ ECONOMICS: Lesson plans for grades K-12 focus on the interaction of energy, economics and ecology.

- Southern California Edison Company
  Educational Services
  Room 397
  P.O. Box 800
  Rosemead, CA 91770

ENERGY CONSERVATION CLASSROOM KITS 1-3, 4-6: These kits contain folders, inspector cards, stickers and certificates. The teacher's guide contains ideas and lesson plans, in addition to duplicating masters.

- Tenneco, Inc.
  Public Affairs Department
  P.O. Box 2511
  Houston, TX 77001

SCHOOLHOUSE ENERGY EFFICIENCY DEMONSTRATION CURRICULUM GUIDE: This curriculum teaches energy conservation through a practical survey of the school. It includes a teacher workbook and student schoolhouse energy survey along with nine lesson plans.

- Thomas Alva Edison Foundation
  Cambridge Office Plaza, Suite 143
  18280 West Ten Mile Road
  Southfield, MI 48075

SELECTING EXPERIMENTS AND PROJECTS...FROM EDISON: Ten experiments including Edison's electric light, a portable burglar alarm and a pinhole camera are explained in this booklet.

- Total Environmental Action, Inc.
  Church Hill
  Harrisville, NH 03450

HISTORY CHART OF DOMESTIC WATER HEATING: This chart, for high school students, briefly describes eighteen experimental solar domestic water heaters from around the world. Most were constructed during the period 1959-1969.

HISTORY CHART OF SOLAR HEATED BUILDINGS: Another chart for high school students, this one depicts the essentials of seventeen historic solar projects, beginning in 1945 with a Colorado residence and continuing to a solar home built in 1963 in Washington, D.C. Information is given in eleven categories under collectors, storage, controls and performance. $4.00

- Union of Concerned Scientists
  Publications Department
  1384 Massachusetts Avenue
  Cambridge, MA 02238

EASY PATH ENERGY PLAN: A practical plan for reducing oil imports and phasing out nuclear power plants by improving the efficiency of our energy use. The information is appropriate for classes at the senior high school level. $2.00

ENERGY: THE EASY PATH: A proposal for improving the efficiency of our use of energy in order to make the transition to renewable resources without increasing our use of nuclear power, coal or synthetic fuels. Content is directed at senior high audiences. $4.50

- United States Department of Energy
  Office of Public Affairs
  Washington, DC 20545

ENERGY TRAILS: A GUIDEBOOK (1976): An interesting collection of power plants, science museums and energy sites to visit in the northeastern states. It lists visiting hours, locations, and where to call/write for information or advance reservations for group tours.

- United States Department of Energy
  Technical Information Center
  P.O. Box 62
  Oak Ridge, TN 37830

ENERGY SYSTEMS-PRESENT, FUTURE, EXTRATERRESTRIALS (1980): 4 units(12 lessons) teach science classes how energy flows through systems. Through the eyes of extraterrestrial visitors, students(grades 7-9) study fossil, nuclear, and solar energy and conservation. Refer to DOE/CA/06083-03 when ordering. FREE

ENERGY WE USE: This packet contains nine lessons with complete teacher and student materials. Students, grades 1-3, learn how important energy is in their lives. Reading and language skills are reinforced in each lesson. FREE

HE/SHE WILL THANK YOU FOR CONSERVING ENERGY: A 19 X 27 inch color poster.

HOW WE MAKE ENERGY WORK (1980): These units for science teachers, grades 4, 5, and 6,discuss the scientific aspects of fossil, solar, and nuclear energy and conservation in ten lessons (four units). Refer to DOE/CA/068083-02 when ordering. FREE

U.S. ENERGY POLICY - WHICH DIRECTION? (1980): Designed for grades 11 and 12, these units concentrate on the executive branch of the government and the various forces that go into making energy policy. Refer to DOE/CA/3841-T1 when ordering.

- United States Government Printing Office
  Superintendent of Documents
  Washington, DC 20402

SOLAR ENERGY PROJECT: Designed to be integrated into existing science classes, grades 7-12, these activities were developed by eighty secondary school teachers working with technical and educational experts. They serve as an infusion model that incorporates forty-three solar energy activities into existing courses of study. The activities are arranged in five packets according to subject area. Refer to the listing below for prices and stock numbers.

Biology Activities: #061-000-00230-8, $1.70

Chemistry and Physics Activities: #061-000-00229-4, $2.20

Earth Science Activities: #061-000-00232-4, $2.75

General Solar Topics: Includes materials for general science, home economics and consumer education. #061-000-00231-6. $2.50

Junior High Science Activities: #061-000-00228-6, $2.75

Reader: A collection of articles about solar energy. #061-000-00235-9.

Solar Energy Project Text: Technical material for teachers of science courses. #061-000-00233-2, $2.75

ENERGY CONSERVATION: UNDERSTANDING AND ACTIVITIES FOR YOUNG PEOPLE: These activities are directed at students grades 7-9. Refer to stock #041-018-00091-7 when ordering. 85¢; 25% discount on orders of 100.

- University of California
  Lawrence Hall of Science
  Berkeley, CA 94720

SCIENCE ACTIVITIES FOR THE VISUALLY IMPAIRED: Students are introduced to key concepts in the physical and life sciences in a multisensory way. The materials have been prepared for students between the ages of 9 and 12. Modules include activities on energy and the environment. Write for further information.

- University of Rhode Island
  Rhode Island Department of Education
  New Hampshire Facilitator Center
  B.O.C.E.S.
  Yorktown Heights, RI 02881

ENERGY RESOURCE MANAGEMENT CATALOG (Volume I): A list of agencies in the New York/New England region that can provide information and services to educational personnel, K-12, in the various areas of energy education.

- University of Tennessee
  Environment Center
  South Stadium Hall
  Knoxville, TN 37916

ENERGY CONSERVATION IN THE HOME: This home economics unit for grades 8-12 contains a variety of resources for both the teacher and the student. FREE

IDEAS AND ACTIVITIES FOR TEACHING ENERGY CONSERVATION: This is a collection of lessons and activities for science, social studies and language arts classes grades 7-12. FREE

- University of Wisconsin
  Sea Grant College Program
  1800 University
  Madison, WI 53706

HOUSEHOLD ENERGY GAME: This game is designed to help students learn how to compute and reduce energy usage. Home economics, energy or consumer education classes, grades 6-12, can incorporate this game into their programs. $3.00

- Visual Purple
  P.O. Box 996
  Berkeley, CA 94703

NATURAL ENERGY WORKBOOK TWO: This is both a construction manual and workbook for grades 10-12. It provides short experiments that illustrate the principles involved in building real energy-saving systems. $3.95

- Walt Disney Educational Media Company
  500 South Buena Vista Street
  Burbank, CA 91521

WIDE WORLD OF ENERGY KIT: The kit contains: color filmstrip, "The Search for Power and Energy", with cassette; eighteen full-color study prints; an Energy Game; thirty copies of the energy comic book, "Mickey Mouse and Goofy Explore Energy"; ten energy activity cards; and a teacher's guide with information and additional activities.

- Ward's Natural Science Establishment, Inc.
  P.O. Box 1712
  Rochester, NY 14603

ENERGY: SOURCES AND MAN'S NEEDS: This multimedia unit covers energy sources, consumption, problems of present supplies and future sources and needs. It is recommended for grades 7-12. $29.00

- Washington State Office of Environmental Education
  c/o Shoreline District Offices
  Northeast 158th and 20th Avenue
  Seattle, WA 98155
  Attn: Christina Peterson, Coordinator

ENERGY, FOOD AND YOU: These interdisciplinary curriculum guides for grades K-6 and 7-12 deal with sources and uses of energy, global food and energy problems, energy efficiency and good nutrition, and the wise use of energy resources through home gardening. $5.00/guide

- W.B. Saunders and Company
  West Washington Square
  Philadelphia, PA 19105

MINICOURSES: ENERGY IN LIFE: This introduction to energy permits self-paced instruction for grades 9 and 10. It has tapes on the following topics: the nature of energy, generating and receiving energy, photosynthesis, respiration, utilizing energy, and human energy perceptions; and includes a study guide. $3.59

- Whirlpool Corporation
  Marketing Communications
  Administrative Center
  Benton Harbor, MI 49022
  Attn: Mary Crouse

ENERGY SAVING DECALS: These decals are intended to be affixed to home appliances. They are intended for grades 7-12. As many as 25 sets are FREE

ENERGY HOTLINES

Five energy hotline services are now operated by the Department of Energy:

- Emergency Conservation Service — 800/424-9122
- Gasoline and Heating Oil Hotline — 800/424-9246
- National Alcohol Fuels Information Center — 800/525-5555
- Ridesharing Information — 800/424-9184
- Solar Heating and Cooling Information — 800/523-2929

FILM LISTS AND CATALOGUES

While most of the groups listed below furnish general film lists and catalogues, in some cases we've listed a specific title which might help you when ordering energy media. Contact the organizations directly to be placed on their mailing lists.

* * * * * * * * * * *

- ABC-CLIO Press
  Riviera Campus
  2040 A.P.S.
  Box 4397
  Santa Barbara, CA 93103

ENERGY: A MULTI-MEDIA GUIDE FOR CHILDREN AND YOUNG ADULTS. $14.95

- American Association for the
  Advancement of Science
  1515 Massachusetts Avenue, NW
  Washington, DC 20005

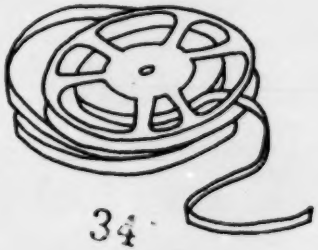
A.A.A.S. SCIENCE BOOKS AND FILMS: Quarterly, $17.50

- American Gas Association
  Film Service Library
  1515 Wilson Boulevard
  Arlington, VA 22209

- Association Films
  915 N.W. 19th Avenue
  Portland, OR 97209

- Chevron Film Library
  6290 Sunset Boulevard
  Hollywood, CA 90028

- Exxon Co. USA
  P.O. Box 2180
  Houston, TX 77001
  Tel. (713) 656-3636



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- Green Mountain Post Films
  P.O. Box 177
  Montague, MA 01351

- Massachusetts Educational Television (MET)
  54 Rindge Avenue Extension
  Cambridge, MA 02140
  Tel. (617) 876-9800

- Modern Talking Picture Service
  1205 North 45th Street
  Seattle, WA 98103
  Tel. (206) 632-8461

- Modern Video Center
  2323 New Hyde Park Road
  New Hyde Park, NY 11040

- National Audiovisual Center
  National Archives and Records Service
  General Services Administration
  Washington, DC 20409
  Tel. (301) 763-1896

NEW ENERGY FILMS: A poster/brochure describing six 16mm color films on energy.

- National Coal Association
  1130 17th Street, NW
  Washington, DC 20036
  Tel. (202) 628-4322

- National Information Center for
  Educational Media (NICEM)
  Los Angeles, CA 90007

MULTIMEDIA INDEX TO ENVIRONMENTAL STUDIES:
$34.50 printed, $18.50 microfiche

- National Solar Heating and Cooling
  Information Center
  P.O. Box 1607
  Rockville, MD 20850
  Tel. (800) 523-2929

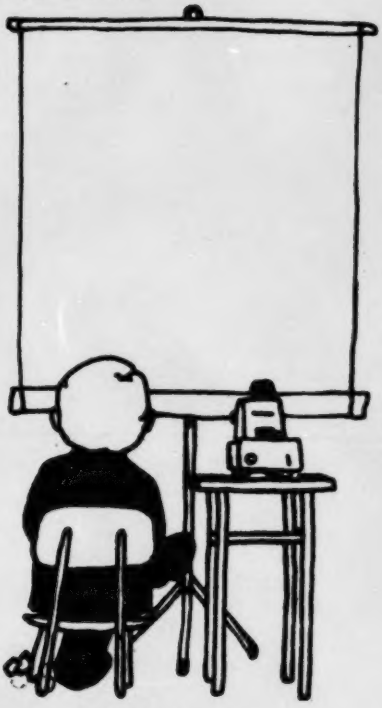
- New York State Alliance to Save Energy
  36 West 44th Street
  New York, NY 10036

ENERGY ON FILM: A catalogue describing over 160 films, with information on audience level, source, purchase and rental prices, length, and availability in a second language. $3.00

- Pacific Power and Light Audio Visual Group
  920 S.W. 6th Avenue
  Portland, OR 97204
  Tel. (503) 243-4830

- Shell Film Library
  1433 Sadlier Circle West Drive
  Indianapolis, IN 46239
  Tel. (317) 291-7440

- Trojan Visitors Information Center
  Film Loan Services
  Route 2, Box 537
  Rainier, OR 97048



FILMS AND VIDEO CASSETTES

This section briefly describes energy-related titles. It also lists distributors and, when available, prices.

* * * * * *

- The Aluminum Association
  Manager of Educational Services
  818 Connecticut Avenue, NW
  Washington, DC 20004

RECYCLING: AN ECOLOGY STUDY: This filmstrip, accompanying tape, and teacher's guide portray how people are conserving natural resources and decreasing solid waste by recycling aluminum and other waste products. FREE

- American Gas Association
  Film Service Library
  1515 Wilson Boulevard
  Arlington, VA 22209

ENERGY: This film traces energy sources historically and outlines current energy problems and solutions. (20 minutes) FREE

FLAMES AND ENERGY: Recommended for grades 2-5, this filmstrip, with cassette, discusses the environmental effects of burning fossil fuels for energy. FREE

FOCUS ON ENERGY: After a review of the role of natural gas in this country's energy situation, this film presents the technological solutions to the supply problem. This program is suitable for grades 7-12. (13 minutes) FREE

FUEL CELLS: This filmstrip explains the importance of fuel cell research for our energy future to viewers grades 6-12. FREE

MORE TO COME: This filmstrip, with cassette, instructs grades 4-8 in the scientific methods of estimating energy resources. FREE

NATURAL GAS: SUPPLY AND DEMAND: Students, grades 6-12, learn about the supply problem in the natural gas industry. (28 minutes) FREE

- American Petroleum Institute
  2101 L Street, NW
  Washington, DC 20037

CLEAN ENERGY FOR TODAY AND TOMORROW: For grades 10-12. (27 minutes) FREE

- Association Films
  915 NW 19th Avenue
  Portland, OR 97209

CLEAN ENERGY: The National Aeronautics and Space Administration examines, with students in grades 10-12, energy conversion technologies that may provide an alternative to nuclear energy. (25 minutes) FREE

ENERGY BRIDGE: This film tells how coal could help us bridge the energy gap for the next three decades without destroying the land. (23 minutes)

JAPAN AND THE SUN: Grades 6-12 see how the Japanese are conserving energy in both rural and urban settings and are developing solar energy technology. (19 minutes)

KING ZOG AND THE ENERGY CRUNCH: An intelligent king learns to keep his palace comfortable in summer and winter while conserving energy through the proper use of heating and cooling equipment, weatherization and common sense. This film is recommended for grades 6-12. (19 minutes)

- Atlantic Richfield Company
  Films and Publications Service
  P.O. Box 2679 — T.A.
  Los Angeles, CA 90051

ALTERNATIVE ENERGY: Two complementary filmstrips discuss short and long term energy alternatives. Suggested for use with grades 7-12. FREE

- Kirby Brumfield
  1003 S.W. 60th Street
  Portland, OR 97210

BACKYARD ALTERNATIVE ENERGY: Audiences grades 6 and up explore some of the "backyard" methods for converting at-hand resources into usable energy. Film library operators may obtain an evaluation print from the address above. (26 minutes, 16mm color film)

- Canadian Consulate General
  412 Plaza 600
  6th and Steward
  Seattle, WA 98101

WHERE DO WE GO FROM HERE? This film for grades 9-12 considers the problem of urban transportation as it relates to depletion of energy resources, land planning, and conflicting governmental jurisdictions. Toronto is used as a case study. (22½ minutes). FREE

- Continental Oil Company
  Public Relations Department
  P.O. Box 2197
  Houston, TX 77001

BRIDGING THE ENERGY GAP: Recommended for grades 7-12 (23 minutes). FREE

ENERGY SEARCH AND RESEARCH: Five areas of Conoco's research in energy are depicted for audiences in grades 7-12. (20 minutes) FREE

- Consulate General of Japan
  2400 First National Bank Tower
  1300 S.W. 5th Avenue
  Portland, OR 97201

ENERGY PROBLEMS AND JAPAN: This film shows Japan's efforts in energy conservation and in the development of new energy sources. (10 minutes). FREE

- GTE Sylvania
  100 Endicott Street
  Danvers, MA 01923

FACTS OF POWER AND LIGHT: This fifteen minute slide presentation discusses lighting and electricity use in the home, giving suggestions for conservation. This program is appropriate for grades 4-12. Postage only

- Johns-Manville Sales Corporation
  Drawer 17-L
  Denver, CO 80217

HEAT: ITS TRANSMISSION AND CONTROL THROUGH INSULATION: The principles of heat transfer and the use of insulation to lessen heat transfer problems are presented to grades 9-12. FREE

- The Joint Council on Economic Education
  Oregon State University
  Corvallis, OR 97331

THE ECONOMICS OF THE ENERGY PROBLEM: Film strip and teacher's guide.

- Massachusetts Educational Television
  54 Rindge Avenue Extension
  Cambridge, MA 02140
  Tel. (617) 876-9800

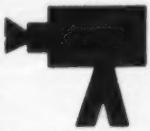
ENERGY: WHAT'S IN STORE? This series of four programs focuses on conservation and discovery. The programs take a look at the work of scientists and others in the process of developing new energy sources from the sun, earth, wind and waste. The MET staff will also help you decide which of their other science programs would enhance your energy curriculum.

- Modern Talking Picture Service
  1205 North 45th Street
  Seattle, WA 98103
  Tel. (206) 632-8461

ENERGY IN PERSPECTIVE: The limits of fossil fuels and alternative sources of energy and conservation are examined with students grades 10-12. (21 minutes). FREE

ENERGY VS. ECOLOGY...THE GREAT DEBATE: This film discusses the surface mining of coal and the restoration of the land involved to productivity. This presentation would be of interest to grades 9-12. (27½ minutes) FREE

SAN DIEGO EXPERIENCE: Suggested for grades 7-12, this program documents the success of an aluminum recycling program in San Diego. FREE



- Modern Video Center
  2323 New Hyde Park Road
  New Hyde Park, NY 11040

CHOICES: Students grades 9-12 learn how ingenuity and technological innovation will be able to provide for economic growth without compromising the environment. 3/4" Cassette videotape U-matic (27 minutes). FREE

ENERGY FOR THE FUTURE: This filmstrip and cassette show how we have harnessed nature's energy, how we can conserve energy, and what research is underway to develop new energy sources. FREE

MEECOLOGY: Elementary age children are shown how they can relate to their environment in a positive way by conserving energy, avoiding waste and preserving nature. 3/4" Cassette videotape U-matic (26 minutes). FREE

- National Audio Visual Center
  Order Section NAVC
  Washington, DC 20409

ENERGY ANT FILM STRIP SET (1976): This two-part color film strip with sound cassettes and teacher guides for grades 4-6 includes: "What is Energy?" (10 minutes) and "What is Energy Conservation?" (6 minutes). $12.50. Make checks payable to National Archives Trust Fund.

- National Film Board of Canada
  1251 Avenue of the Americas
  New York, NY 10020

ENERGY CAROL: Suitable for grades 4-12, this animated color film looks at the wasteful way we live and the future we face because of our wastefulness. (10 minutes) $20/rental

- Reynolds Metals Company
  Motion Picture Services
  P.O. Box 27003
  Richmond, VA 23261

HOUSE THAT RECYCLING BUILT: This film shows how recycled materials were used in place of new materials in the construction of a tri-level home with no loss of quality. (9½ minutes) FREE

- Solar Energy Research Institute
  1536 Cole Boulevard
  Golden, CO 80401

SOLAR ENERGY: THE QUEST AND THE QUESTIONS: Harnessing the sun's power and examples of various solar technologies and how they work are explored in the slide/tape program. Other energy sources such as biomass, wind and wood are also discussed.

- United States Department of Energy
  Technical Information Center
  P.O. Box 62
  Oak Ridge, TN 37830

CONSERVATION: INVESTING IN TOMORROW: Grades 7-12 watch a summary of currently available energy conservation technology. (7 minutes) FREE

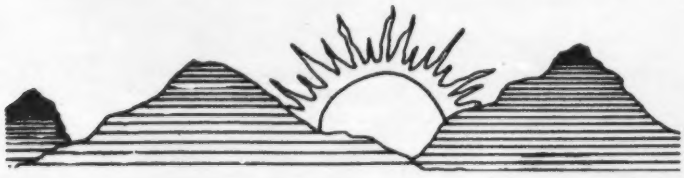
GRANT AND LOAN INFORMATION

Installing or inventing new energy technologies often depends upon additional financial support. Here are some places which offer assistance and/or referral.

* * * * *

- National Bureau of Standards
  Office of Energy Related Inventions
  Washington, DC 20834
  Attn: Richard Pastore

The United States Department of Energy has a program to help inventors and small businesses obtain federal grants and loans for developing and commercializing energy-related inventions. Write for a detailed brochure and application.



- Northeast Solar Energy Center
  Financial and Investment Services Department
  470 Atlantic Avenue
  Boston, MA 02110

GUIDE TO FEDERAL GRANT AND LOAN PROGRAMS FOR SOLAR ENERGY: A subscription service designed to enable solar inventors, entrepreneurs, small businesses, and interested groups and individuals to locate and select appropriate federal programs that may assist them. Published as a yearly subscription service in looseleaf form, it contains a complete set of program descriptions current at the time of subscription. Supplements containing new and replacement pages are issued monthly. Check must accompany order and should be addressed to GUIDE in care of the above address. $20.00/one year subscription.

- Solar Action Office
  One Ashburton Place, Room 1413
  Boston, MA 02108
  Tel. (617) 727-7297

SOLAR GRANTS GUIDE: This guide was developed to assist the reader in acquiring a better understanding of solar grant opportunities and to provide some information on preparing a successful solar grant application form. It details major centers and publications which provide solar grant and funding information.

- United States Department of Energy
  Technical Information Center
  P.O. Box 62
  Oak Ridge, TN 37830

The Department of Energy has compiled a directory to assist energy-related project inventors. It lists individual contacts, addresses, telephone numbers, and invention-related services at one hundred and one federal agencies. Single copies FREE

NEWSLETTERS AND PERIODICALS

These newsletters and periodicals address a broad range of energy topics. Their titles, listed alphabetically, appear in capitals and are followed by the publisher's address. If no subscription price is listed, please contact the publisher directly.

* * * * * *

- ACCESS TO ENERGY
  P.O. Box 2298
  Boulder, CO 80306
  monthly, $12

- ALTERNATIVE SOURCES OF ENERGY
  Route 2, Box 90-A
  Milaca, MN 56353
  bimonthly, $10

- A. T. TIMES
  National Center for Appropriate Technology
  P.O. Box 3838
  Butte, MT 59701

Carries articles about alcohol fuels as well as other appropriate solutions to community energy, housing, food and health problems. Subscriptions are free to non-profit appropriate technology and anti-poverty groups; $10 for 12 issues to others.

- AWARE: THE ENVIRONMENT MAGAZINE ABOUT THE ELECTRIC INDUSTRY
  Community Performance Publications
  Suite 12
  2038 Pennsylvania Avenue
  Madison, WI 53704
  monthly, $9

- B.E.E./BULLETIN OF ENVIRONMENTAL EDUCATION
  Town and Country Planning Association
  17 Carlton House Terrace
  London, England SW1Y 5AS

- CUE BULLETIN
  Center for Urban Education
  0245 S.W. Bancroft
  Portland, OR 97201
  monthly, FREE

- CLEARING
  Portland State Environmental
  Education Project
  Portland State University
  P.O. Box 751
  Portland, OR 97207
  bimonthly, $6 individual,
  $15 institution

- COALITION FOR SAFE POWER NEWSLETTER
  215 S.W. 9th
  Portland, OR 97214
  monthly, FREE

- CO-EVOLUTION
  Point
  P.O. Box 428
  Sausalito, CA 94965
  quarterly, $12

- CONSERVATION AND RECYCLING
  Pergamon Press
  Maxwell House
  Fairview Park
  Elmsford, NY 10523
  quarterly, $60

- CONSERVATION EDUCATION ASSOCIATION
  NEWSLETTER
  P.O. Box 6567
  Fort Worth, TX 76115
  quarterly, FREE to members

- CONSERVATION NEWS
  National Wildlife Federation
  1412 16th Street NW
  Washington, DC 20036
  monthly, FREE

- CURRENTS
  Energy Research and Information Foundation
  Citizens United for Responsible Energy
  1342 30th Street
  Des Moines, IA 50311
  bimonthly, $5

- EARTHWATCH OREGON
  Oregon Environmental Council
  2637 S.W. Water
  Portland, OR 97201
  monthly, bimonthly in summer,
  $10 per year

- ECONEWS: ENVIRONMENTAL NEWSLETTER FOR YOUNG PEOPLE
  Environmental Action Coalition
  156 5th Avenue, Suite 1130
  New York, NY 10010
  monthly, $3; back issues 75¢

- E E REPORT (formerly Environmental Education Report)
  Center of Environmental Education
  1925 K Street, NW
  Suite 206
  Washington, DC 20066
  10 issues per year, $25

- ELEMENTS
  1901 Q Street, NW
  Washington, DC 20009
  monthly, $7

- ENERGIST
  Energy and Man's Environment
  7874 S.W. Nimbus
  Beaverton, OR 97005
  quarterly, $2

- ENERGY AND ALTERNATIVES
  P.O. Box 681
  Salem, OR 97308
  quarterly

- ENERGY CENTER NEWS
  Energy Center
  Oregon Museum of Science
  and Industry
  4015 S.W. Canyon Road
  Portland, OR 97221
  irregularly, FREE

- ENERGY CONSERVATION/EDUCATION
  INFORMATION BULLETIN
  ERIC Clearing House for Science,
  Mathematics and Environmental Education
  Ohio State University
  1200 Chambers Road, 3rd floor
  Columbus, OH 43212

- ENERGY INDEX
  Environmental Information Center
  292 Madison Avenue
  New York, NY 10017
  annually, $95

- ENERGY MEETINGS
  United States Department of Energy
  Technical Information Center
  P.O. Box 62
  Oak Ridge, TN 37830
  monthly, FREE

- ENERGY REPORTER
  Federal Energy Administration
  Room 2115
  Office of Communication and
  Public Affairs
  Washington, DC 20461
  monthly, FREE

- ENVIRONMENT
  Heldref Publications
  4000 Albemarle Street, NW
  Suite 504
  Washington, DC 20016
  10 issues a year, $12.75

- ENVIRONMENTAL PERIODICALS BIBLIOGRAPHY:
  INDEXED ARTICLE TITLES
  International Academy at Santa Barbara
  Environmental Studies Institute
  Riviera Campus
  2074 Alameda Padre Serra
  Santa Barbara, CA 93103
  bimonthly

- GEO-HEAT UTILIZATION CENTER
  QUARTERLY BULLETIN
  Geo-Heat Utilization Center
  Oregon Institute of Technology
  Klamath Falls, OR 97601
  quarterly

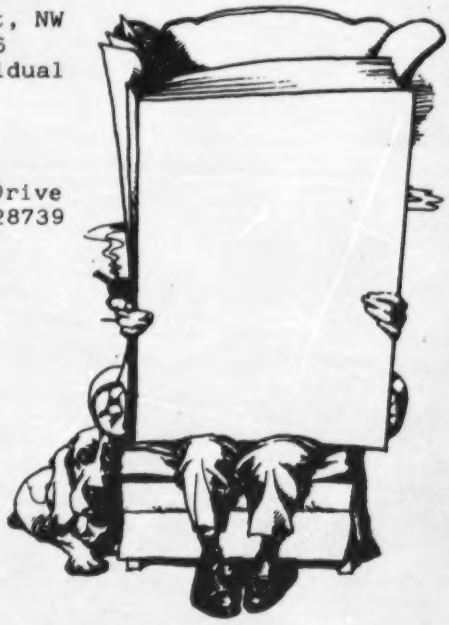
- HOME ENERGY DIGEST/WOOD BURNING
  QUARTERLY
  8009 34th Avenue South
  Minneapolis, MN 55420
  quarterly, $16

- JOURNAL OF ENVIRONMENTAL EDUCATION
  Heldref Publications
  4000 Albemarle Street, NW
  Washington, DC 20016
  quarterly, $10 individual
  $15 institution

- MOTHER EARTH NEWS
  P.O. Box 70
  105 Stoney Mountain Drive
  Hendersonville, NC 28739
  bimonthly, $12

- NATURE AND RESOURCES
  Unipub
  Box 433
  Murray Hill Station
  New York, NY 10016
  quarterly, $6

- NEW ERA NEWSLETTER
  P.O. Box 1723
  Boston, MA 02105
  bimonthly



- PACIFIC SEARCH
  Pacific Search Publishing
  222 Dexter
  Seattle, WA 98109
  Tel. (206) 682-5044
  9 issues per year, $9.85

- PEOPLE AND ENERGY
  Center for Science and the Public Interest
  Citizens' Energy Project
  1413 K Street, NW
  Washington, DC 20005
  monthly, $10 individual,
  $16 institution

- RAIN
  2270 N.W. Irving
  Portland, OR 97210
  10 issues per year, $15

- RESOURCE RECOVERY AND ENERGY REVIEW
  Wakemen-Walworth, Inc.
  P.O. Box 1144
  Darien, CT 06820
  bimonthly, $9

- RESOURCES
  Resources for the Future
  1755 Massachusetts Avenue, NW
  Washington, DC 20036
  3 per year, FREE

- RODALE'S ENVIRONMENT ACTION BULLETIN
  Rodale Press
  33 East Minor Street
  Emmaus, PA 18049
  biweekly, $12

- SELF RELIANCE
  Institute for Self Reliance
  1717 18th Street, NW
  Washington, DC 20009
  bimonthly, $8

- SERIATIM: A JOURNAL OF ECOTOPIA
  2900 S.E. Stark
  Portland, OR 97214
  quarterly

- SMALL FARM ENERGY PROJECT NEWSLETTER
  Center for Rural Affairs
  P.O. Box 736
  Hartington, NB 68739
  irregularly, FREE

- SOLAR AGE
  200 East Main Street, Box Z
  Port Jervis, NY 12771
  monthly, $20

- SOLAR ENERGY DIGEST
  P.O. Box 17776
  San Diego, CA 92117
  monthly, $28.50

- SOLAR ENERGY INTELLIGENCE REPORT
  Business Publications, Inc.
  P.O. Box 1067
  Silver Springs, MD 20910
  weekly, $90

- SOLAR HEATING AND COOLING
  Gordon Publications
  20 Community Place
  Morristown, NJ 07960
  bimonthly, $8

- SOLAR TIMES
  901 Bridgeport Avenue
  Shelton, CT 06484
  monthly, $12.50

- SOLAR UTILIZATION NEWS
  Alternate Energy Institute
  P.O. Box 3100
  Estes Park, CO 80517
  monthly, $8 individual,
  $15 institution

- SUN STROKES
  Pacific Northwest Solar Energy Association
  2332 East Madison
  Seattle,WA 98112

- SUN TIMES
  Alternative Energy Resource Organization
  435 Stapleton Building
  Billings, MT 59101
  monthly, $10

- SYNERJY: DIRECTORY OF ENERGY ALTERNATIVES
  P.O. Box 4790
  Grand Central Station
  New York, NY 10017
  semiannually, $10 individual,
  $18 institution

- WESTERN CONSERVATION JOURNAL
  314 Lloyd Building
  Seattle, WA 98101
  5 issues per year, $8.50

- WIND POWER DIGEST
  Jester Press
  Route 2, Box 489
  Bristol, IN 46507
  quarterly, $6

- WORLD INFORMATION SERVICE ON ENERGY (WISE)
  Terry Provance
  1213 Race Street
  Philadelphia, PA 19017
  $5 per year

RELATED RESOURCES AND ORGANIZATIONS

The following organizations offer a variety of services or materials of general interest to educators, school administrators and consumers. In some cases, a specific pamphlet or bruchure is described. In other cases, addresses are listed to provide readers additional leads when researching their particular energy questions.

* * * * * *

- American Association of School Administrators
  1801 North Moore Street
  Arlington, VA 22209
  Contact: Dr. Shirley J. Hansen
  Director of Energy Programs

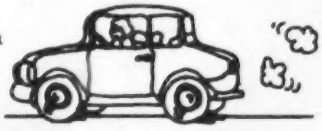
- American Textile Manufacturers Institute
  1101 Connecticut Avenue, NW
  Washington, DC 20036

SAVE ENERGY AND HAVE FUN WITH TEXTILES: This booklet shows how people can use textiles and some ingenuity to save energy at home. Single copies FREE

- Amoco Oil Company
  P.O. Box 5910-A MC 3705
  Chicago, IL 60680

OUR ENERGY FUTURE: This brochure reviews renewable and non-renewable energy sources and considers the role each will have in the future. FREE

- Automobile Club of America
  28 East 78th Street
  New York, NY 10021
  Attn: George Bertisch



GASOHOL AS AN ALTERNATIVE MOTOR FUEL: The results of studies conducted on automobile mileage and performance using gasohol are presented here.

- Boston Clamshell Coalition
  2161 Massachusetts Avenue
  Cambridge, MA 02140
  Tel. (617) 661-6204

NUCLEAR POWER INFORMATION PACKET: Nuclear Accidents - A look at the Record; Small Groups - Big Windmills; and Solar Energy and Employment are some of the titles contained in this collection of article reprints.

- Business People for Safe Energy
  c/o Beyond Words Bookstore
  150 Main Street
  Northampton, MA 01060
  Tel. (413) 586-6304 (days)
  Contact: Jeff Krauth

This group works to support safe alternative energy options and oppose further development of nuclear power. They plan to involve community people in decision-making on energy issues and involve business people in active cooperation in their community.

- Center for Renewable Resources
  1001 Connecticut Avenue, Room 510
  Washington, DC 20036
  Tel. (202) 466-6880

- Citizens' Energy Project
  1110 6th Street, NW
  Washington, DC 20001
  Tel. (202) 387-8998

CITIZENS' ENERGY DIRECTORY: This 200-page state-by-state guide lists resources (publications, schools, people, organizations, manufacturers, etc.) in wood, wind, water, solar, biomass, and geothermal energy. $15 ($10 to non-profit groups and to individuals) plus 10% postage & handling.

PROFILE OF SMALL-SCALE PIONEERS OF ALCOHOL FUEL SYSTEMS

NINETY-NINE WAYS TO A SIMPLE LIFE STYLE: $3.50

- Energy Conservation Research
  9 Birch Road
  Malvern, PA 19355

OUR ENERGY: PROBLEMS AND SOLUTIONS

- Environmental Protection Agency
  Office of Mobile Source and Noise Enforcement
  401 M Street, NW
  Washington, DC 20460

This office is responsible for the environmental aspects of alcohol fuels production and use.

- Environmental Protection Agency
  Motor Vehicle Emissions Laboratory
  2565 Plymouth Road
  Ann Arbor, MI 48105

Research on emissions is conducted by this laboratory.

- Executive Office of the President
  Energy Policy and Planning
  Washington, DC 20500

THE NATIONAL ENERGY PLAN: This report explains why we have to act and gives details of a rather complicated, carefully balanced plan.

- Federal Energy Regulatory Commission
  Office of Public Information
  825 North Capitol Street, NE
  Washington, DC 20426

WATER POWER – USE OF A RENEWABLE RESOURCE: This booklet explains the hydroelectric cycle and the current state of hydroelectric generation in the United States. Single copies FREE

- Home Energy Centers, Inc.
  49 Highland Avenue
  Needham, MA 02194
  Tel. (617) 449-2080

STOVE INSTALLATION AND OPERATION: A fact sheet that includes stove pipe connection, fireplace installation, and the proper operation of wood stoves.

- MassDesign
  Architects and Planners, Inc.
  138 Mt. Auburn Street
  Cambridge, MA 02138

SOLAR HEATING PRIMER: The basics of using active and passive solar systems and descriptions of components are provided in this booklet. 95¢

- Massachusetts Office of Energy Resources
  Division of Conservation and Solar
  73 Tremont Street, Room 700
  Boston, MA 02108
  Tel. (617) 727-7297

HOW TO MAKE A GOOD SOLAR PURCHASE: A brochure that helps you choose a contractor, judge manufacturers' claims, review contracts and examine warranties. Other reading materials include: How to Cut Fuel Bills in Apartments, How to Save Money By Saving Energy, Residential Financing for Solar Energy, and others.

- National Audubon Society
  950 Third Avenue
  New York, NY 10022

SOLAR ENERGY: A PROMISING ALTERNATIVE: A brochure that illustrates the potential of solar energy alternatives.

- National Gasohol Commission
  521 South 14th Street, Suite 5
  Lincoln, NE 68508

- Northeast Solar Energy Center
  470 Atlantic Avenue
  Boston, MA 02110
  Tel. (617) 292-9250

SOLAR WATER HEATING - WHAT'S IN IT FOR YOU? This title describes how solar water heating works, the effects of adding a system, and how to choose a solar water heating system and contractor.

- Shugah River Energy Alliance
  P.O. Box 920
  Claremont, NH 03743

Area residents have joined together to work toward local energy self-reliance through the use of local renewable resources. They sponsor a newsletter, and public forums and workshops; and serve as a source of information, materials, and access to people with hands-on experience.

- Solar Energy Research Institute
  Document Distribution Service
  1617 Cole Boulevard
  Golden, CO 80401

FACTS ABOUT GASOHOL: Readers will find brief answers to some often asked questions about gasohol and their cars, ethanol production costs, and related topics. FREE

- Syracuse Peace Council
  924 Burnet Avenue
  Syracuse, NY 13203
  Tel. (315) 472-5478

NO NUKES/SANE ENERGY CALENDAR: In addition to helping keep track of dates, the calendar carries energy-related tidbits along with many references to organizations, periodicals and media. $4.00

PEOPLE'S ENERGY POSTERS: $2.00

PEOPLE'S ENERGY NEWSLETTER: $6.00

ENERGY PRIMER: 50¢

The above-mentioned items may also be obtained from:

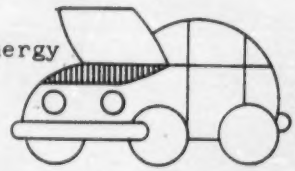
Boston Clamshell Coalition
1151 Massachusetts Avenue
Cambridge, MA 02138

Central Massachusetts CALC
14 Casttle Street
Worcester, MA 01610

Nuclear Objectors for a Pure Environment
Box 30
Montague, MA 01351

- United States Department of Energy
  Office of Administrative Services
  Water Power Distribution
  Washington, DC 20426

WATER POWER - USE OF A RENEWABLE RESOURCE: This booklet relates the history of hydro regulation, the operation of hydroelectric power plants and environmental protection.



- United States Department of Energy
  Office of Alcohol Fuels
  Rm 6A-211
  1000 Independence Avenue
  Washington, DC 20585

This office is consolidating information about federal alcohol fuels activity and working with farmers, businessmen, and representatives of the financial, scientific, engineering, and educational communities to stimulate activities leading to wider production and use of alcohol fuels.

- United States Department of Energy
  Office of Consumer Affairs
  Washington, DC 20585

WINTER SURVIVAL: A CONSUMER'S GUIDE TO WINTER PREPAREDNESS: A guide to help you prepare for winter and handle most emergencies, even those that the worst weather can bring.

LOW COST/NO COST ENERGY SAVERS: A brochure that selects some free and low cost measures consumers can take to save on fuel oil, gas and electric bills.

- United States Department of Energy
  Office of Public Affairs
  Washington, DC 20585

ENERGY AND YOU: This personalizes the energy question by posing specific questions about our own energy consumption and conservation.

A NEW START/THE NATIONAL ENERGY ACT: Energy conservation, coal conversion, utility rate reform, natural gas pricing, tax credits for energy-saving investments, and other measures of the National Energy Act are capsulized for the reader.

NOT SO FAST/SLOW DOWN AND SAVE GAS: A bumper sticker distributed by the United States Department of Energy and Jaycees.

PUT THE SUN TO WORK TODAY: SOLAR/RENEWABLE ENERGY: This publication is designed to acquaint readers with the many ways solar energy can be put to work for them. The emphasis is on things you can do personally to take advantage of solar energy in your own home particularly in the area of solar heating. It covers solar principles, equipment, and costs for homeowners considering the installation of solar heating and cooling systems.

THE SOLAR POWERED IRRIGATION PUMP: A series of experimental projects in which farmers are tapping solar energy to pump water needed for irrigation are spotlighted in this booklet. It also explains how a solar irrigation pump works.

- United States Department of Energy
  Technical Information Center
  P.O. Box 62
  Oak Ridge, TN 37830

ENERGY FROM THE WINDS: A nine page pamphlet describes how the wind can be harnessed to provide electrical power.

HEAT PUMPS: This describes how electric heat pumps work, how they can be used, and how to choose them.

- United States Department of the Interior
  Geological Survey
  Chief, Branch of Visual Services
  303 National Center, Rm 1C402
  Reston, VA 22092

NATURAL POWER FOR STEAM: This brochure describes the nature of natural steam, sites of geothermal exploration and geothermal sources that may be adapted to commercial uses. Single copies FREE

- United States Office of Education
  Energy and Education Action Center
  Reporters Building, Room 514
  300 7th Street, NW
  Washington, DC 20202

The center staff have worked to increase communication and reduce wasteful duplication among energy educators; developed a clearinghouse of materials and bibliographies; facilitated in-service training for administrators, teachers, and physical plant personnel; and have established ten regional networks for the exchange of energy education information. In New England contact:

James Cronin
John F. Kennedy Federal Building
Room 2403
Government Center
Boston, MA 02203
Tel. (617) 233-7227

- Upper Valley Energy Coalition
  18B Mascoma Street
  Lebanon, NH 03766
  Tel. (603) 448-1882

This organization conducts research on local renewable energy sources and community power. They publish their findings in a newspaper, entitled Upper Valley Community Power.

SOLAR COURSES

For many of us, the emergence of new technologies requires new training. The sources below either conduct courses or serve as a reference for locating solar energy education programs.

* * * * * *

- Cornerstones Energy Group
  54 Cumberland Street
  Brunswick, ME 04011
  Tel. (207) 729-0540

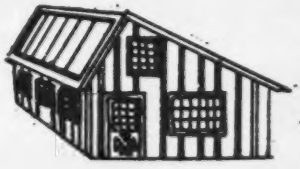
- Heartwood
  Johnson Road
  Washington, MA 01235
  Tel. (413) 623-6677

- National Solar Heating & Cooling
  Information Center
  P.O. Box 1607
  Rockville, MD 20850
  Tel. (800) 523-2929

MASSACHUSETTS SOLAR ENERGY EDUCATION DIRECTORY: A reference guide to solar energy related courses, programs and curricula offered by schools of higher education in Massachusetts. FREE

- Solar North, Inc.
  Box 171-C
  Waitsfield, VT 05673
  Tel. (802) 492-4292

- Solar Survival
  Box 119
  Harrisville, NH 03450
  Tel. (603) 827-3797



- Total Environmental Action, Inc.
  Harrisville, NH 03450
  Tel. (603) 827-3374

- United States Government Printing Office
  Superintendent of Documents
  Washington, DC 20402

NATIONAL SOLAR ENERGY EDUCATION DIRECTORY:
This is a comprehensive list of solar energy courses, programs and curricula offered at 700 schools of higher education nationwide. $5.50
Order #061-000-00368-1

- Women in Solar Energy
  P.O. Box 778
  Brattleboro, VT 05301
  Tel. (802) 254-4221

Massachusetts Department of Education Regional Centers

Central Massachusetts Regional Center
Beaman Street, Route 140
West Boylston, Massachusetts 01583
617-835-6267

Greater Boston Regional Center
54 Rindge Avenue Extension
Cambridge, Massachusetts 02140
617-547-7472

Northeast Regional Center
219 North Street
North Reading, Massachusetts 01864
617-727-0600

Pittsfield Regional Center
188 South Street
Pittsfield, Massachusetts 01201
413-499-0745

Southeast Regional Center
P.O. Box 29
Lakeville, Massachusetts 02346
617-947-3240

Springfield Regional Center
155 Maple Street
Springfield, Massachusetts 01105
413-739-7271